Addition Table

+	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Multiplication Table

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
6	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
7	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105
8	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
9	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
10	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
11	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
12	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
13	13	26	39	52	65	78	91	104	117	130	143	156	169	182	195
14	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210
15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225

SI International System of units of measurements

Length - SI Base Unit: Metre (m)

1 millimetre	(mm)	=	1,000 microns	(μm)
1 centimetre	(cm)	=	10 millimetres	(mm)
1 decimetre	(dm)	=	10 centimetres	(cm)
1 metre	(m)	=	1,000 millimetres	(mm)
1 kilometre	(km)	=	1,000 metres	(m)

Area - SI Base Unit: Square metre (m^2)

1 square centimetre	(cm^2)	=	100 square millimetres	(mm^2)
1 square decimetre	(dm^2)	=	100 square centimetre	(cm^2)
1 square metre	(m^2)	=	100 square decimetre	(dm^2)
1 square kilometre	(km^2)	=	1,000 square metre	(m^2)

Volume - SI Base Unit: Cubic metre (m^3)

1 cubic centimetre	(cm^3)	=	1 millilitre	(mL)
1 cubic decimetre	(dm^3)	=	1 litre	(L)
1 cubic metre	(m^3)	=	1000 litres	(L)

Mass - SI Base Unit : Kilogram (kg)

1 milligram	(mg)	=	1000 micrograms	(ug)
1 gram	(g)	=	1000 milligrams	(mg)
1 kilogram	(kg)	=	1000 grams	(g)
1 ton	(t)	=	1000 kilograms	(kg)

The Metric Prefixes

Prefix	Symbol	Factor	Value
giga	G	10^9	1,000,000,000
mega	M	10^9	1,000,000
kilo	K	10	1,000
hecto	H	10	100
deca	D	10	10
—	—	10	1
deci	d	10	0.1
centi	c	10	0.01
milli	m	10	0.001
micro	μ	10	0.000001
nano	n	10	0.000000001

METERS	YARDS	INCHES
1.000	1.093	39.37
.914	1.000	36.00
CENTIMETERS	**INCHES**	**FEET**
1.00	.394	.0328
2.54	1.000	1/12
30.48	12.000	1.000
KILOMETERS	**MILES**	
1.000	.621	
1.609	1.000	

Table of Surface Measure

144 sq.in.	=	1 sq.ft.
9 sq. ft.	=	1 sq. yd.
301/4 sq. yds.	=	1 sq. rod
160 sq. rods	=	1 acre
640 acres	=	1 sq. mile

An acre measure 208.71 ft. on each side.
A section of land is 1 sq. mile
A quarter section is 160 acres
A township is 36 sq. miles.

Imperial System, units of measurements

Length

1foot	= 12 inches	1 link	= 7.92 inches
1yard	= 3 feet	1 rod (or pole or perch)	= 25 links
1mile	= 1760 yards	1 chain	= 22 yards = 4 rods

Area

1 ft^2	= 144in^2	1 acre	= 4840 yd^2
1 yd^2	= 9ft^2	1 $mile^2$	= 640 acres

Volume

1 $foot^3$	= 1728 $inch^2$	1 $yard^2$	= 27 $foot^3$
1 $pint^3$	= 20 fl $ounce^3$	1 $gallon^3$	= 8 $pints^3$

Mass

1 pound	= 16 ounces	1 quarter	= 2 stones
1 stone	= 14 pounds	1 ton	= 2240 pounds

Table of Circular Measure

60 seconds(")	=	1 minute (')
60 minutes	=	1 degree (°)
360 degrees	=	1 circumference

1 degree of the earth's surface of a meridian = 69.16 miles at the equator.

Table of Linear Measure

12 inches	=	1 foot
3 feet	=	1 yard
16 1/2 ft. (5 1/2 yds.)	=	1 rod
660 feet	=	1 furlong
320 rods (5280 ft.)	=	1 mile

Conversion

Imperial to Metric System			Metric to Imperial System		
Linear Measure					
1 inch	= 25.4 mm		1mm	= 0.039 inch	
1 foot	= 0.3048 m		1 cm	= 0.394 inch	
1 yard	= 0.9144 m		1 m	= 1.094 yards	
1 mile	= 1.609 km		1 km	= 0.6214 mile	
Square Measure					
1 $inch^2$	= 6.45 cm^2		1 cm^2	= 0.155 $inch^2$	
1 $foot^2$	= 9.29 dm^2		1 dm^2	= 0.0107 $foot^2$	
1 $yard^2$	= 0.836 m^2		1 m^2	= 1.196 $yard^2$	
1 $mile^2$	= 2.59 km^2		1 km^2	= 0.386 $mile^2$	
Cubic Measure					
1 $inch^3$	= 16.4 cm^3		1 cm^3	= 0.061 $inch^3$	
1 $foot^3$	= 28.3 dm^3		1 dm^3	= 0.035 $foot^3$	
1 $yard^3$	= 0.765 m^3		1 m^3	= 1.308 $yard^3$	
Weight Measure					
1 ounce	= 28.35 g		1 gr	= 0.0353 oz	
1 pound	= 453.6 g		1 kg	= 2.205 lb	
1 stone	= 6.35 kg		1 kg	= 0.157 stone	
1 ton	= 1.02 (metric) ton		1 ton	= 0.984 (long) ton	

Table of Time Measure

60 seconds	=	1 minute
60 minutes	=	1 hour
24 hours	=	1 day
7 days	=	1 week
30 days	=	1 calendar
12 months	=	1 year
365 days	=	1 common year
366 days	=	1 leap year
100 years	=	1 century

Table of Liquid Measure

4 gills (gl.)	=	1 pint (pt.)
2 pints	=	1 quart (qt.)
4 quarts	=	1 gallon (gal.)
31 1/2 gallons	=	1 barrel (bbl.)
2 barrels	=	hogshead (hhd.)

Table of Paper Measure

24 sheets	=	1 quire
20 quires	=	1 ream
10 reams	=	1 bale

GRAMS	OUNCES	POUNDS
1.00	.035	.002
28.35	1.000	1/16
453.59	16.000	1.000
1,000.00	35.274	2.205
KILOGRAMS	**OUNCES**	**POUNDS**
1.000	35.274	2.205
.028	1.000	1/16
.454	16.000	1.000

LITERS	PINTS	QUARTS	GAL.
1.000	2.113	1.057	.264
.473	1.000	1/2	1/8
.946	2.000	1.000	1/4
3.785	8.000	4.000	1.000

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